

ABSTRACT OF THE DISCLOSURE

A projection type display device is provided which is compact and allows an image to be displayed in appropriate colors. A color wheel is disposed in  
5 an area interposed between a light entering a total reflection mirror and a light reflected by the mirror. This makes the device compact compared to a case where the color wheel is placed in a region outside the light. Further, the color wheel is shaped like a  
10 disk divided into a plurality of color filter sections of different colors. The color wheel is irradiated with a light converged in such a shape as to pass through only a single color filter section. Consequently, the light is properly separated to  
15 allow an image to be displayed in appropriate colors.